



























Summary & Highlights

Most of the indicators for week 42 are similar to their respective historical averages and are lower than what was seen this same time last season.

- Local Geographic Activity Designation (Click [here](#) for definitions) = LOW/NO ACTIVITY
- Preliminary information from medical facility labs reported 265 tests run with 0 positive result for week 42, this percentage positive is lower than the previous week and is similar to the historical baseline average.
- Compared to the previous week, ED visits for influenza-like-illness (ILI) were stable and respiratory symptoms decreased slightly. Pediatric Urgent Care (PUC) visits for influenza-like-illness (ILI) increased slightly, while respiratory symptoms were stable. Figures for ED visits are at or below the historical baseline averages for this time of year.
- Sales of certain over-the-counter medications were mostly down or stable. Compared to the previous week, cough & cold, thermometer, and anti-fever sales decreased; electrolyte and throat lozenge sales were stable; and chest rub sales increased.
- Nationally, no updated antigenic characterization data is available for influenza viruses collected after October 1, 2010. During week 41, influenza activity was low in the U.S.

Local Flu Activity Dashboard (All data are preliminary and may change as more reports are received.)

Indicators	Week Number Available	Current Week Value	% Change Chart from Last Week ¹ (-) (+)	# Weeks ² ▲ ● ▼	General Trend Line Chart ⁷ (red = historical avg., grey = last year)
Medical Facility Lab Data	42	0.0% Pos.	-100% 	1 ▼	
ILI Outpatient Data (Sentinel Medical Sites)	42	0.1% of All Visits	0% 	1 ●	
EMS Cold/Flu Symptom Runs	42	58 runs	26.1% 	3 ▲	
School Absences	42	6.6% Absent	-4.7% 	1 ▼	
Columbus Google Flu Trends: Web Search Data ⁴	42	1,253 per 100,000 pop	6.2% 	7 ▲	
Hospital ED Data ³ :					
Complaint Defined as ILI	42	17.4% of All ED Visits	0.3% 	1 ●	
Categorized as Respiratory	42	13.6% of All ED Visits	-4.9% 	1 ▼	
Pediatric Urgent Care Data ³ :					
Complaint Defined as ILI	42	51.4% of All PUC Visits	5.3% 	1 ▲	
Categorized as Respiratory	42	45.4% of All PUC Visits	-0.5% 	1 ●	
Medication Data:					
OTC Cough & Cold Sales	42	5,830 Total Sales	-4.8% 	2 ▼	
Thermometer	42	70 Total Sales	-13.6% 	3 ▼	
Antiviral Prescriptions	41	0.4% of All Anti-Infectives	11.3% 	1 ▲	
Confirmed Influenza Associated Hospitalizations	42 (as of 10/27 12:00 PM)	0 Reported (3 Since wk. 35)	0% 	2 ●	

Reportable Conditions ⁶ (Cumulative Numbers as of Oct. 27, 2010, 12:00 PM)	2009	2010 YTD
Influenza Clusters/Outbreaks Reported	1 suspected	0
Influenza Associated Hospitalizations (IAH) Reported (see also Fig. 8)	523	12
IAH Confirmed 2009 Influenza A (H1N1) ⁵	267	6
Pediatric Influenza Associated Death Reported	2	0

¹Interpret with caution. Indicators with small number subject to large weekly percentage fluctuations.

² Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%)

³Franklin County, OH residents only (based on zipcode).

⁴Data Source: Google Flu Trends (<http://www.google.org/flu-trends>), City = Columbus, OH (Experimental). See website for additional details.

⁵Confirmed cases only unless stated otherwise (Based on jurisdiction equal to Franklin County or City of Columbus and date created in ODRS).

⁶Information provided for references (Reportable condition is any influenza associated hospitalization, regardless of influenza type).

⁷Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year), while grey line is last years data only.

CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

In week 42 of 2010 (Oct. 17th, 2010 – Oct. 23rd, 2010), 4.3% of all Columbus deaths were reported as due to pneumonia or influenza (Figure 1). Nationally, 6.5% of deaths reported were due to pneumonia or influenza in week 41. This national percentage is below the national epidemic threshold of 6.6%.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

The week 42 preliminary percentage of outpatient visits for ILI at sentinel medical practice reporting sites (<1%) is slightly below the historical baseline average. Defined ILI symptom visits in EDs were similar to the previous week, while PUC visits increased slightly (Figures 2 & 3). In week 42, the ED percentage of visits for ILI defined symptoms is similar to the average seen in past seasons.

Nationally, during week 41 of 2010, 1.4% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). This percentage is below the previous week's value and is below the national baseline of 2.5%.

Laboratory Surveillance

During week 42 of 2010, reporting Franklin County sentinel medical facility laboratories tested 265 specimens, with 0 positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2010 through preliminary week 42 of 2010 is 1,691; with 7 (0.41%) positives (4 type A, 3 type B). Nationally in week 41, WHO and NREVSS laboratories reported 2,571 specimens tested for influenza viruses, 92 (3.6%) of which were positive. Updated national antigenic characterization data was not available for influenza viruses at the time of this report. Ohio Department of Health lab reports results for those cases that are PCR positive for seasonal influenza. ODH lab positive results include (1) influenza A/H3 (total through 10/25/10).

ED and Pediatric Urgent Care Respiratory Visits

In the 42nd week of 2010, the percentage of all ED visits categorized as *respiratory* (13.6%) decreased slightly compared to the percentage seen the previous week and is slightly below the historic baseline. The percentage of reporting Pediatric Urgent Care visits categorized as *respiratory* (45.4%) was similar to the percentage seen in the previous week (Figure 5) and is lower than the percentage seen this same time last year.

Over-the-Counter (OTC) Medication Sales and Antiviral Prescriptions

In week 42 of 2010, OTC medications sale (Figure 6) volume trends were mostly lower. Compared to the previous week, cough & cold, thermometer, and anti-fever sales decreased; electrolyte and throat lozenge sales were stable; and chest rub sales increased. In week 41 (latest week available), the percentage of Franklin County pharmacy prescriptions for antivirals out of all anti-infective prescriptions, increased compared to the previous week and is below the historical baseline average (Figure 7). During week 41, the national antiviral prescription percentage was stable.

Additional Influenza Activity Web Links:

CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

CDC International Influenza Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

World Health Organization Situation Updates: <http://www.who.int/csr/disease/influenza/update/en/>

Columbus & Franklin County Influenza Monitoring Summary – Week 42 (10/17/2010-10/23/2010)

**Figure 1: Percentage of Deaths due to Pneumonia and Influenza
Columbus, Ohio 2010-11**

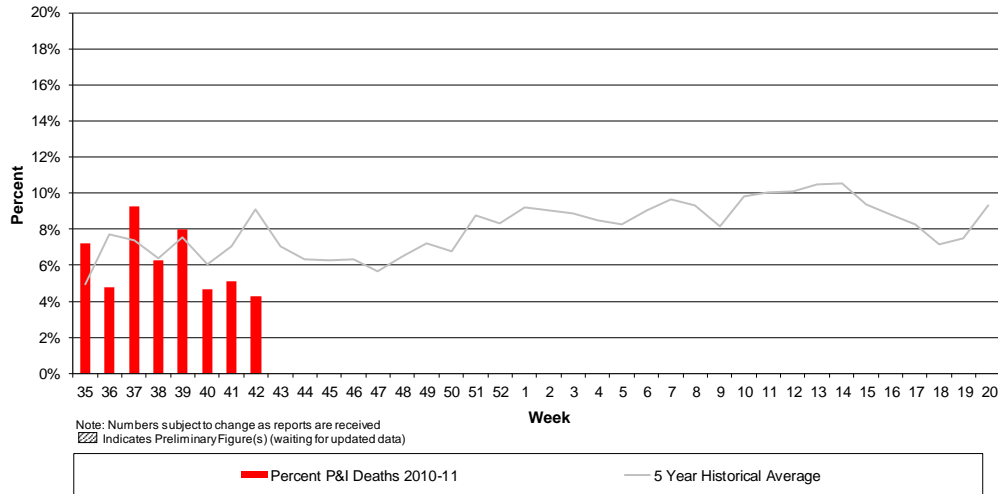


Figure 2: Percentage of Local, National, and HHS Region 5 ILI Outpatient visits and Percentage of Franklin County Resident BioSense Hospital ILI ED Visits, 2010-11

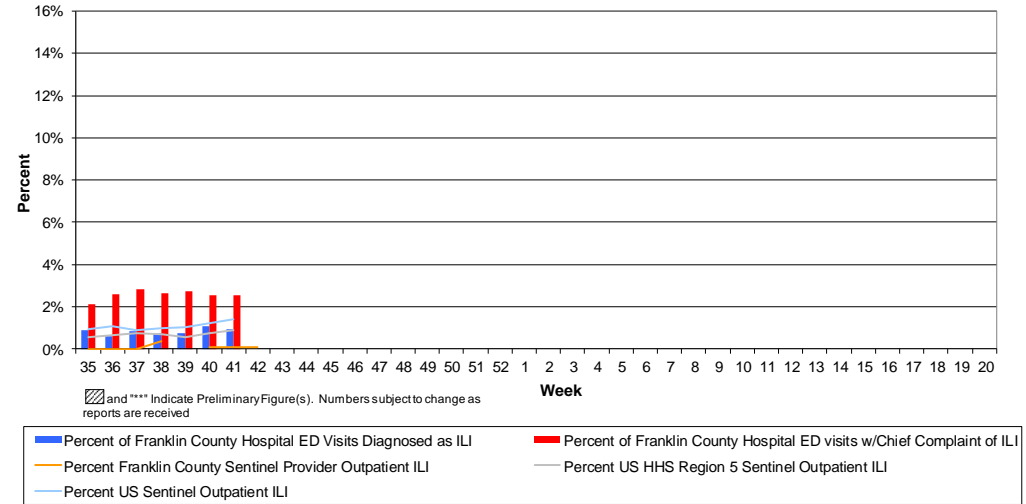


Figure 3: Franklin County Resident ILI Defined ED and Pediatric Urgent Care Visits, 2010-11, Franklin County, OH**

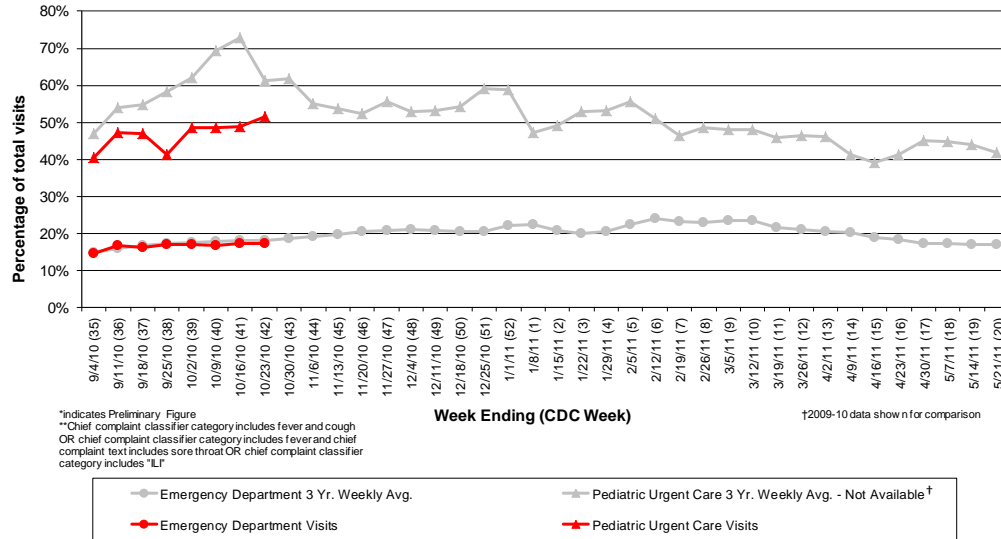
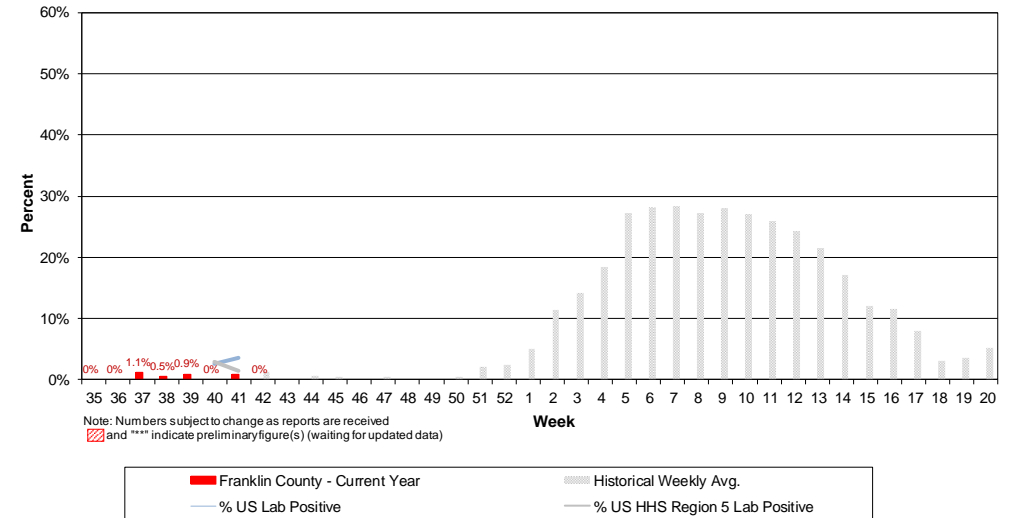


Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2010-11



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Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2010-11, Franklin County, OH

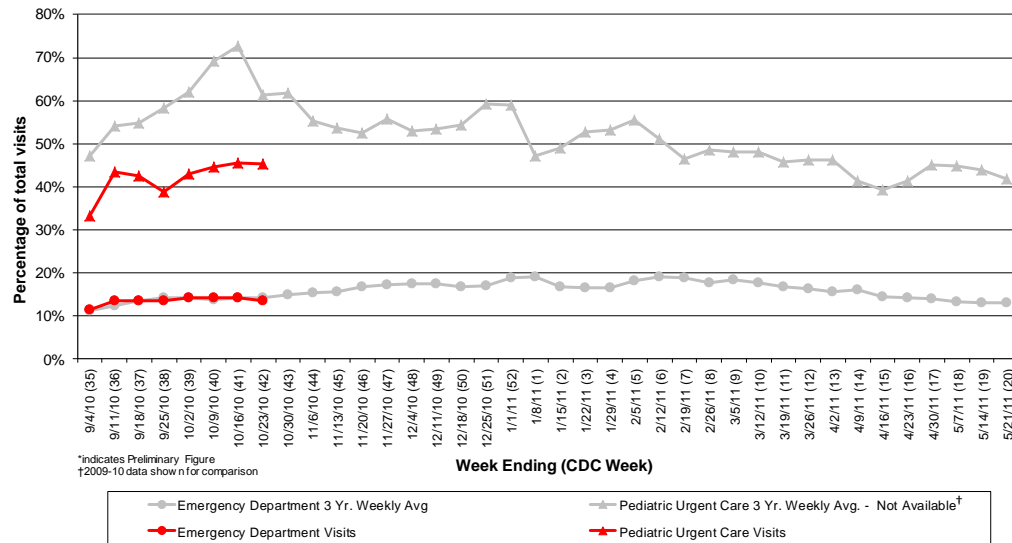


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2010-11, Franklin County, OH

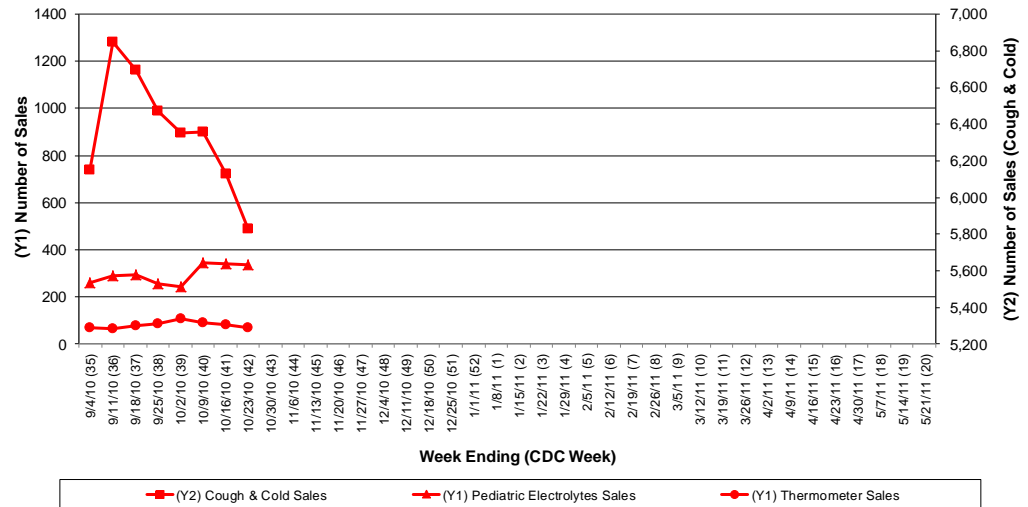


Figure 7: Percentage of Antiviral Prescriptions out of Total Number of Anti-Infective Prescriptions (Selected Pharmacies)

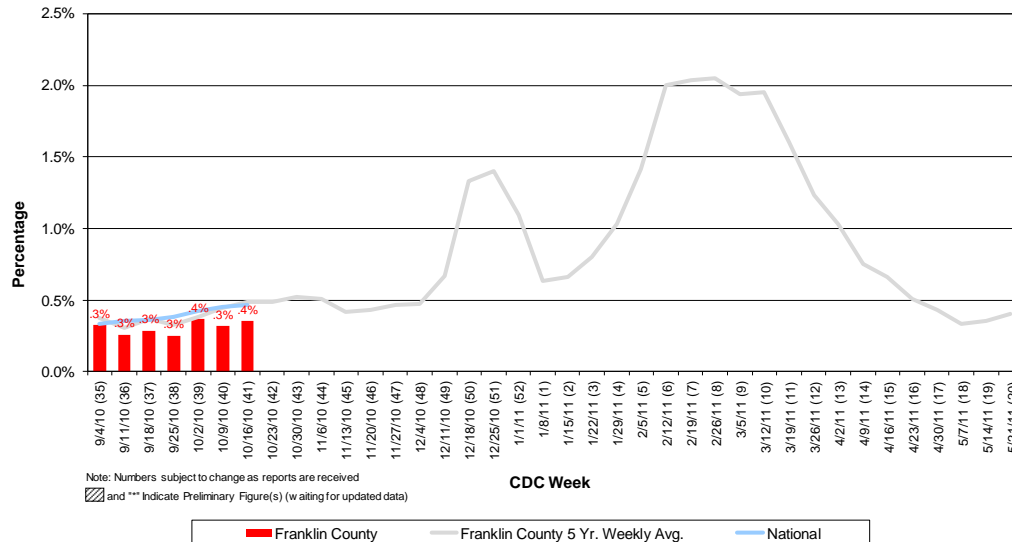


Figure 8: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 12:00 PM, 10/12/2010)

